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### (54) Improved tissue glue prepared by using cryoprecipitate.

(57) A tissue glue is described comprising a component A which comprises a cryoprecipitate of whole blood and high an amount of a protease inhibitor corresponding to 3,000 to 5,000 KIU units of aprotinin, and a component B comprising a proteolytic enzyme being capable of cleaving specifically fibrinogen present in component A and causing the formation of a fibrine polymer.

In another embodiment an improved tissue glue is described comprising a component A which comprises a cryoprecipitate of whole blood, and a component B comprising a proteolytic enzyme obtainable from snake venom which enzyme is capable of cleaving specifically fibrinogen present in component A and causing the formation of a fibrine polymer.

EP 0 534 178 A3

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## EUROPEAN SEARCH REPORT

Application Number

EP 92 11 4942

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	A61L25/00 A61L2/00
X	EP-A-0 253 198 (BEHRINGWERKE) * column 4, line 11 - line 35; claims 3,7,8 *	13 1-4,7,8	A61L25/00 A61L2/00
Y	WO-A-8 601 814 (THE TRUSTEES OF COLUMBIA UNIVERSITY) * claims 1,8,9,11,15 *	1-4,7,8	A61L25/00 A61L2/00
A	EP-A-0 341 007 (PROJECT HEAR) * page 2, line 40 - line 41 * * page 3, line 18 - line 20; claims 1,10 *	1-4	A61L25/00 A61L2/00
A	WO-A-9 101 762 (FONDATION NATIONALE DE LA TRANSFUSION SANGUINE) * claims 1,5,13; example 1 *	1-4,8,9	A61L25/00 A61L2/00
E	WO-A-9 215 341 (PENTAPHARM) * claims 1,3 *	14,15	A61L25/00 A61L2/00
A	DE-A-2 201 993 (PENTAPHARM) * claim 1P *	14,15	A61L25/00 A61L2/00
-----			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			A61L
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		25 MARCH 1993	PELTRE CHR.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document			

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### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.  
namely claims:
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,  
namely:

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- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.  
namely claims: 1-9, 13-15
- None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.  
namely claims:

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EP 92 11 4942 -8-

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-9,13 (partly) : Tissue glue comprising cryoprecipitate and an high amount of protease inhibitor.
2. Claims 10-12,13 (partly): Tissue glue comprising fibrinogen, fibronectin and factor XIII and an high amount of protease inhibitor.
3. Claims 14,15 : Use of snake venom protease in a tissue glue.

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